

## SAFETY DATA SHEET

### M-PRIME 200 ALUMINIUM BASED PRIMER - ACTIVATOR

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

Product name M-PRIME 200 ALUMINIUM BASED PRIMER - ACTIVATOR

Product number M-PRIME 200

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against Identified uses

Paint.

##### 1.3. Details of the supplier of the safety data sheet

##### Supplier

MaxKote Ltd  
Tower Court, Oakdale Road  
Clifton Moor  
Yorks  
North Yorkshire  
YO30 4XL  
United Kingdom

info@maxkote.co.uk

Tel: 01904 809 773

##### 1.4. Emergency telephone number

Emergency telephone 01904 809 773

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Classification (EC 1272/2008)

Physical hazards Flam. Liq. 3 - H226

Health hazards Acute Tox. 4 - H302 Acute Tox. 4 - H332 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317

Environmental hazards Not Classified

Classification (67/548/EEC or 1999/45/EC) Xn;R20/22. C;R34. R43. R10.

Human health Harmful by inhalation and if swallowed. May cause sensitisation by skin contact. Prolonged contact may cause burns.

Physicochemical The product is flammable. Heating may generate flammable vapours.

##### 2.2. Label elements

###### Pictogram



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<b>Signal word</b>	Danger
<b>Hazard statements</b>	H226 Flammable liquid and vapour. H302+H332 Harmful if swallowed or if inhaled. H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction.
<b>Precautionary statements</b>	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P403+P235 Store in a well-ventilated place. Keep cool. P405 Store locked up. P501 Dispose of contents/ container in accordance with national regulations. P260 Do not breathe vapour/ spray. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
<b>Contains</b>	BENZYL ALCOHOL, ISOPHORONEDIAMINE, TRIETHYLENETETRAMINE, XYLENE

### 2.3. Other hazards

#### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<b>BENZYL ALCOHOL</b>	<b>30-60%</b>
CAS number: 100-51-6	EC number: 202-859-9
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Acute Tox. 4 - H302	Xn;R20/22
Acute Tox. 4 - H332	
<b>ISOPHORONEDIAMINE</b>	<b>10-30%</b>
CAS number: 2855-13-2	EC number: 220-666-8
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Acute Tox. 4 - H302	C;R34 Xn;R21/22 R43 R52/53
Acute Tox. 4 - H312	
Skin Corr. 1B - H314	
Eye Dam. 1 - H318	
Skin Sens. 1 - H317	
Aquatic Chronic 3 - H412	

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<b>TRIETHYLENETETRAMINE</b> <span style="float: right;">1-5%</span>	
CAS number: 112-24-3	EC number: 203-950-6
<b>Classification</b> Acute Tox. 4 - H312 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Aquatic Chronic 3 - H412	<b>Classification (67/548/EEC or 1999/45/EC)</b> C;R34 Xn;R21 R43 R52/53

<b>XYLENE</b> <span style="float: right;">1-5%</span>	
CAS number: 1330-20-7	EC number: 215-535-7
<b>Classification</b> Flam. Liq. 3 - H226 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Asp. Tox. 1 - H304	<b>Classification (67/548/EEC or 1999/45/EC)</b> R10 Xn;R20/21 Xi;R38

<b>ETHYLBENZENE</b> <span style="float: right;">&lt;1%</span>	
CAS number: 100-41-4	EC number: 202-849-4
<b>Classification</b> Flam. Liq. 2 - H225 Acute Tox. 4 - H332 Asp. Tox. 1 - H304	<b>Classification (67/548/EEC or 1999/45/EC)</b> F;R11 Xn;R20

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>Inhalation</b>	Move affected person to fresh air at once. Rinse nose and mouth with water. Never give anything by mouth to an unconscious person. Do not induce vomiting. Keep affected person warm and at rest. Get medical attention immediately.
<b>Ingestion</b>	Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth thoroughly with water. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention immediately.
<b>Skin contact</b>	Remove affected person from source of contamination. Rinse immediately with plenty of water. Get medical attention promptly if symptoms occur after washing.
<b>Eye contact</b>	Remove affected person from source of contamination. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

#### 4.2. Most important symptoms and effects, both acute and delayed

#### 4.3. Indication of any immediate medical attention and special treatment needed

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

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**Suitable extinguishing media** Extinguish with the following media: Alcohol-resistant foam. Carbon dioxide (CO<sub>2</sub>). Dry chemicals, sand, dolomite etc. Do not use water, if avoidable.

### 5.2. Special hazards arising from the substance or mixture

**Specific hazards** The product is flammable. Heating may generate flammable vapours. Thermal decomposition or combustion products may include the following substances: Toxic gases or vapours.

### 5.3. Advice for firefighters

**Protective actions during firefighting** Control run-off water by containing and keeping it out of sewers and watercourses.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions** Wear protective clothing as described in Section 8 of this safety data sheet.

### 6.2. Environmental precautions

**Environmental precautions** Avoid discharge into drains or watercourses or onto the ground.

### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** Keep combustible materials away from spillage. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Avoid contamination of ponds or watercourses with washing down water.

### 6.4. Reference to other sections

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Keep away from heat, sparks and open flame. Do not wear contact lenses. Avoid spilling. Avoid contact with skin and eyes. Eye wash facilities and emergency shower must be available when handling this product. During application and drying, solvent vapours will be emitted.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Store in tightly-closed, original container in a dry, cool and well-ventilated place. Store under well-ventilated conditions at a temperature below 25°C.

**Storage class** Corrosive storage.

### 7.3. Specific end use(s)

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

#### **XYLENE**

Long-term exposure limit (8-hour TWA): WEL 50 ppm(Sk) 220 mg/m<sup>3</sup>(Sk)

Short-term exposure limit (15-minute): WEL 100 ppm(Sk) 441 mg/m<sup>3</sup>(Sk)

#### **ETHYLBENZENE**

Long-term exposure limit (8-hour TWA): WEL 100 ppm(Sk) 441 mg/m<sup>3</sup>(Sk)

Short-term exposure limit (15-minute): WEL 125 ppm(Sk) 552 mg/m<sup>3</sup>(Sk)

WEL = Workplace Exposure Limit

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### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

Provide adequate general and local exhaust ventilation.

#### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles.

#### Hand protection

Wear protective gloves made of the following material: Nitrile rubber. Viton rubber (fluoro rubber). Polyvinylidene chloride/polyethylene (PVDC/PE).

#### Other skin and body protection

Wear appropriate clothing to prevent skin contamination. Provide eyewash station.

#### Hygiene measures

Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap and water if skin becomes contaminated. Promptly remove any clothing that becomes wet or contaminated.

#### Respiratory protection

No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

## SECTION 9: Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

Appearance	Viscous liquid.
Colour	Amber.
Odour	Characteristic.
pH	Not applicable.
Flash point	23 - 55°C
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: 1.1 Upper flammable/explosive limit: 7
Vapour pressure	Not available.
Relative density	0.97 - 1.01

### 9.2. Other information

**Volatile organic compound** This product contains a maximum VOC content of 29 g/l.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Will not polymerise.

### 10.4. Conditions to avoid

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**Conditions to avoid** Avoid heat, flames and other sources of ignition. Avoid contact with the following materials:  
Acids. Oxidising agents.

### 10.5. Incompatible materials

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Ammonia or amines.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - oral

**ATE oral (mg/kg)** 963.39

#### Acute toxicity - dermal

**ATE dermal (mg/kg)** 6,451.61

#### Acute toxicity - inhalation

**ATE inhalation (gases ppm)** 10,416.67

**ATE inhalation (vapours mg/l)** 25.46

**ATE inhalation (dusts/mists mg/l)** 3.4

**Inhalation** Harmful by inhalation. May cause damage to mucous membranes in nose, throat, lungs and bronchial system.

**Ingestion** Causes burns. May cause chemical burns in mouth and throat. May cause stomach pain or vomiting.

**Skin contact** Causes burns. Harmful in contact with skin. May cause sensitisation by skin contact. May cause allergic contact eczema. Product has a defatting effect on skin.

**Eye contact** Severe irritation, burning and tearing. Causes burns.

## SECTION 12: Ecological Information

**Ecotoxicity** The product contains a substance which may cause long-term adverse effects in the aquatic environment.

### 12.1. Toxicity

### 12.2. Persistence and degradability

**Persistence and degradability** No data available.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** Not determined.

### 12.4. Mobility in soil

**Mobility** No data available.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** No data available.

### 12.6. Other adverse effects

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**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

**SECTION 14: Transport information**

**14.1. UN number**

UN No. (ADR/RID) 3066

UN No. (IMDG) 3066

UN No. (ICAO) 3066

UN No. (ADN) 3066

**14.2. UN proper shipping name**

**Proper shipping name (ADR/RID)** PAINT RELATED MATERIAL

**Proper shipping name (IMDG)** PAINT RELATED MATERIAL

**Proper shipping name (ICAO)** PAINT RELATED MATERIAL

**Proper shipping name (ADN)** PAINT RELATED MATERIAL

**14.3. Transport hazard class(es)**

ADR/RID class 8

ADR/RID classification code C9

ADR/RID label 8

IMDG class 8

ICAO class/division 8

ADN class 8

**Transport labels**



**14.4. Packing group**

ADR/RID packing group III

IMDG packing group III

ADN packing group III

ICAO packing group III

**14.5. Environmental hazards**

**Environmentally hazardous substance/marine pollutant**

No.

**14.6. Special precautions for user**

EmS F-A, S-B

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ADR transport category 3  
Emergency Action Code 2X  
Hazard Identification Number 80  
(ADR/RID)  
Tunnel restriction code (E)

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

#### SECTION 15: Regulatory information

##### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

**National regulations** The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).  
Control of Substances Hazardous to Health Regulations 2002 (as amended).

**EU legislation** Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

**Guidance** Workplace Exposure Limits EH40.  
Introduction to Local Exhaust Ventilation HS(G)37.  
CHIP for everyone HSG228.  
Approved Classification and Labelling Guide (Sixth edition) L131.

##### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

#### SECTION 16: Other information

**Revision date** 10/01/2017

**Revision** 3

**Supersedes date** 09/03/2016

**SDS number** 19259

**Risk phrases in full** R10 Flammable.  
R20/21 Harmful by inhalation and in contact with skin.  
R20/22 Harmful by inhalation and if swallowed.  
R21 Harmful in contact with skin.  
R21/22 Harmful in contact with skin and if swallowed.  
R34 Causes burns.  
R38 Irritating to skin.  
R43 May cause sensitisation by skin contact.  
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.



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### Hazard statements in full

H225 Highly flammable liquid and vapour.  
H226 Flammable liquid and vapour.  
H302 Harmful if swallowed.  
H304 May be fatal if swallowed and enters airways.  
H312 Harmful in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H332 Harmful if inhaled.  
H412 Harmful to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.